

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/CA 03/01185

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D277/82 C07D417/12 C07D417/14 A61K31/428

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00 69838 A (OLESEN SOEREN PETER ;TEUBER LENE (DK); NEUROSEARCH AS (DK); STROEB) 23 November 2000 (2000-11-23) see whole document	1-37
A	US 5 677 321 A (JEON YOON T ET AL) 14 October 1997 (1997-10-14) see formula column 6, lines 1-10, definitions of R2 and R7 and R8	1-37
A	WO 97 15306 A (JANSSEN PHARMACEUTICA NV ;RYCK MARC ROGER DE (BE); SWIJZEN WILLY M) 1 May 1997 (1997-05-01) see page 2, lines 7-20	1-37
A	US 6 156 777 A (ROHDE FRANK A ET AL) 5 December 2000 (2000-12-05) the whole document	1-37
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the International search

17 December 2003

Date of mailing of the International search report

30/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95 09619 A (WELLCOME FOUND ;BIGHAM ERIC CLEVELAND (US); FURFINE ERIC STEVEN (U) 13 April 1995 (1995-04-13) see general formula, especially definition of R2	1-37
A	WO 01 94325 A (AVENTIS PHARMA SA) 13 December 2001 (2001-12-13) the whole document	1-37
A	EP 0 282 971 A (WARNER LAMBERT CO) 21 September 1988 (1988-09-21) the whole document	1-37
X	J LANDQUIST: "Diaminobenzobisthiazoles and related compounds" JOURNAL OF THE CHEMICAL SOCIETY SECTION C, vol. 21, 1967, pages 2212-2220, XP009023069 see page 2216, 2-amino-5-N'methylthioureidobenzothiazole	1

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1(partly)

Present claim 1 relates to a compound defined by reference to a desirable characteristic or property, namely that it be a prodrug of the compound of formula I. The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only the compounds of formula I. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compounds of formula I and their salts, hydrates and solvates

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 31,34,35 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.: 1(partly)
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically Claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 03/01185

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Information on patent family members

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		AT 116134 T	15-01-1995
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		DE 3852555 D1	09-02-1995
		DE 3852555 T2	04-05-1995
		EP 0282971 A2	21-09-1988
		ES 2065895 T3	01-03-1995
		GR 3015466 T3	30-06-1995
		JP 2602275 B2	23-04-1997
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